

State Water Project Quarterly Business Report July to September 2008

◆ Water Quality Data is from the Water Data Library (Grab Samples)

Concentrations of all constituents of concern in the State Water Project (SWP) ranged from low to moderate in the Delta, the North and South Bay Aqueducts and the California Aqueduct, reflecting the season's average.

Electrical Conductivity (EC) in SWP ranged from 232 uS/cm to 584 uS/cm this quarter. The concentrations followed a similar trend, increasing from July to September in the California Aqueduct at Banks Pumping Plant (BPP) from 276 uS/cm to 580 uS/cm, in the South Bay Aqueduct at Del Valle Check 7 from 283 uS/cm to 584 uS/cm, and in the North Bay Aqueduct at Barker Slough Pumping Plant from 232 uS/cm to 263 uS/cm. Nevertheless, concentrations at all the locations were below Article 19 Monthly Average Objective of 440 mg/L (773 uS/cm).

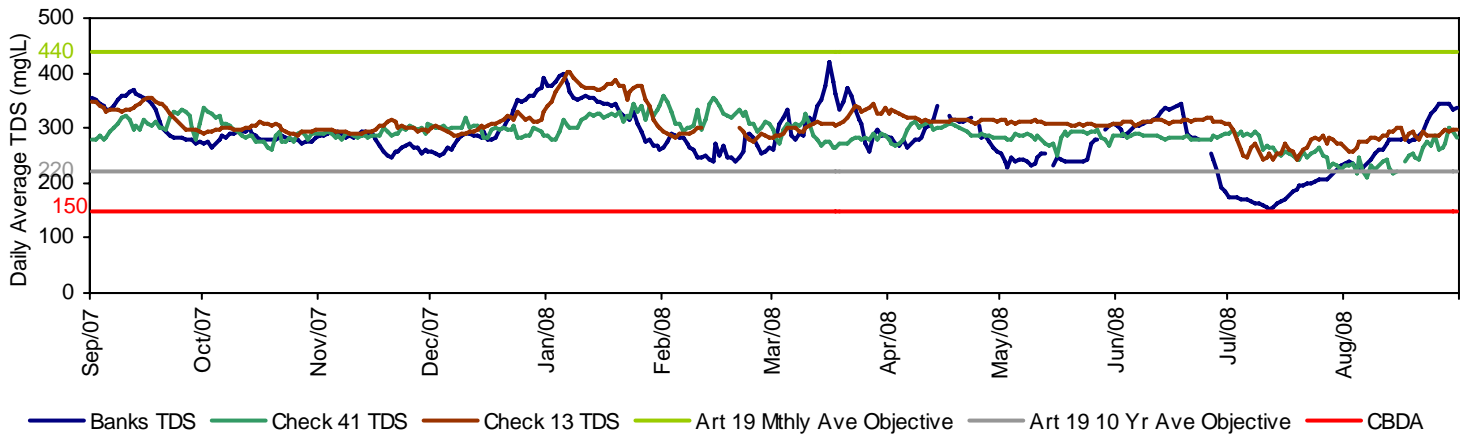
This quarter, bromide concentrations were above the California Bay Delta Authority Objective of 0.05 mg/L in the California Aqueduct and in the South Bay Aqueduct, but not in the North Bay Aqueduct at Barker Slough Pumping Plant where concentrations ranged from 0.03 mg/L to 0.04 mg/L. Concentrations were higher in September at all locations except Devil Canyon. At BPP, concentrations ranged from 0.10 mg/L to 0.37 mg/L this quarter.

DOC concentrations at Barker Slough Pumping Plant in the North Aqueduct were higher for July to September, ranging from 3.0 mg/L to 4.3 mg/L. Whereas, in the California Aqueduct and South Bay Aqueduct, concentrations were lower, ranging from 2.1 mg/L to 3.5 mg/L, probably due to low DOC in the San Joaquin River at Vernalis, Clifton Court and groundwater turn-ins.

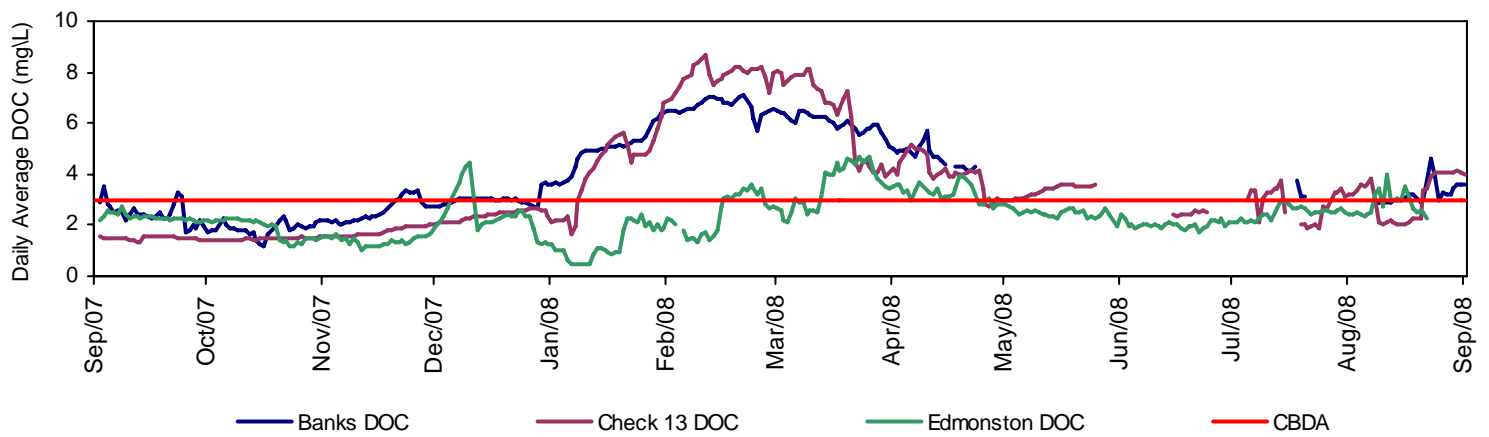
The taste and odor compounds MIB and geosmin were moderate this quarter in BPP, the North and South Bay Aqueducts and the California Aqueduct, and they ranged from non-detect to 16 ng/L. The only exception was at Check 66 where MIB concentration was 32 ng/L as of September 15, 2008.

Groundwater turn-ins to the California Aqueduct from Arvin-Edison Water Storage District, Kern Water Bank Canal, Cross Valley Canal, and Semitropic Water Storage District totaled 113,097 af during the third quarter of 2008.

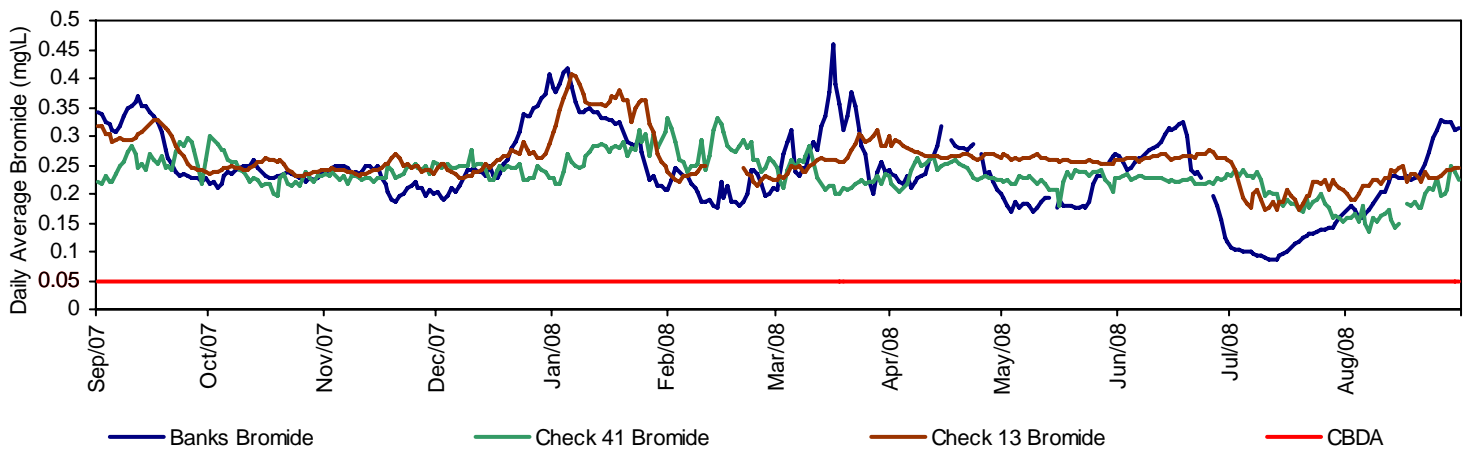
California Aqueduct - Calculated Total Dissolved Solids



California Aqueduct - Calculated Dissolved Organic Carbon



California Aqueduct - Calculated Bromide



Constituents of Concern in the State Water Project

			EC	Bromide	DOC	MIB/Geosmin
			(uS/cm)	(mg/L)	(mg/L)	(ng/L)
				Goals		
SWP Facility	Station	Month, 2008	773 ^a	0.05 ^b	3.0 ^b	7 to 10?
California Aqueduct	Banks Pumping Plant	July	276	0.10	3.2	ND to 8
		August	467	0.27	2.8	ND to 8
		September	580	0.37	2.9	ND to 10
	Check 13	July	483	0.21	3.4	ND to 4
		August	531	0.26	3.1	ND to 2
		September	560	0.31	3.4	ND to 2
	Check 41	July	482	0.22	3.4	
		August	496	0.22	3.0	
		September	534	0.31	2.1	
	Devil Canyon Afterbay	July	522	0.25	3.0	
		August	487	0.22	2.8	
		September	487	0.24	2.9	
	Del Valle Check 7	July	283	0.10	3.5	ND to 5
		August	448	0.25	3.0	ND to 6
		September	584	0.35	2.9	ND to 5
South Bay Aqueduct	Lake Del Valle (Outlet)	July	No Data	No Data	No Data	No Data
		August	No Data	No Data	No Data	No Data
		September	No Data	No Data	No Data	No Data
North Bay Aqueduct	Barker Slough Pumping Plant	July	232	0.04	4.3	
		August	249	0.03	3.6	
		September	263	0.04	3.0	

a: Article 19 Objective, Monthly Average (TDS 440 mg/L = EC 773 uS/cm)

b: California-Bay Delta Authority Target

ND = Non detect